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The Gazette of India

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No. 5] NEW DELHI, SATURDAY, JANUARY 30, 1982 (MAGHA 10, 1903)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 30th January 1982

CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 19th December 1981 under the heading "PATENTS SEALED" read 148262 instead of 148260.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

24th December, 1981

- 1453/Cal/81. Dr. C. Otto & Comp. GMBH. An arrangement for improving the flow of the gases entering the combustion chamber of industrial gas-fired systems, more particularly coke ovens. [Addition to No. 285/Cal/81].
- 1454/Cal/81. Dr. C. Otto & Comp. GMBH. Multifurcated pressure nozzle device for coke ovens.
- 1455/Cal/81. Maschinenfabrik Rieter A.G. Gripper apparatus on a ring spinning or ring twisting machine.
- 1456/Cal/81. Orfa A.G. Process for the production of a fibrous and a granular material; system for the performance of such process; process for the operation of such system; and use of the fibrous and the granular material.

1457/Cal/81. Usha Automobile & Engineering Ltd. Locking device for automobile steering.

26th December, 1981

- 1458/Cal/81. Herofina. Minimizing iron in recovered oxidation catalyst material in DMT process.
- 1459/Cal/81. Peuk Produits Chimiques Ugine Kuhlmann. Process for the preparation of anthraquinone and its substituted derivatives.
- 1460/Cal/81. R. S. Pandey. Improved method of house construction 14 (fourteen).

28th December, 1981

- 1461/Cal/81. Stauffer Chemical Company. Trialkylsulfonium salts of N-Phosphonomethylglycine and their use as plant growth regulators and herbicides. [Addition to No. 1214/Cal/81].
- 1462/Cal/81. Stauffer Chemical Company. Tri-mixed alkyl-sulfonium salt of N-phosphonomethylglycine and their use as plant growth regulators and herbicides. [Addition to No. 1214/Cal/81].
- 1463/Cal/81. G. S. Misra. Liquid oxygen explosives.
- 1464/Cal/81. Orissa Cement Limited. Method for the manufacture of basic refractory ramming mass, fettling mass or patching mass.
- 1465/Cal/81. Orissa Cement Limited. Method for the manufacture of hot face insulating brick.
- 1466/Cal/81. Westinghouse Electric Corporation. Vacuum circuit interrupter with on-line vacuum monitoring apparatus.
- 29th December, 1981
- 1467/Cal/81. Stauffer Chemical Company. Animal systemic insecticide.

1468/Cal/81. Stauffer Chemical Company. Biocidal agents for use in plastics, polymers and cellulosic materials.

1469/Cal/81. Richter Gedeon Vegyeszeti Gyar RT. Process for the preparation of substituted tetrahydro-1, 2, 4-oxadiazin-5-one derivatives having anticonvulsive activity.

1470/Cal/81. Richter Gedeon Vegyeszeti Gyar RT. Process for preparing tetrahydro-1, 2, 4-oxadiazin-5-one derivatives having anticonvulsive activity.

1471/Cal/81. Richter Gedeon Vegyeszeti Gyar RT. N¹-substituted tetrahydro-1, 2, 4-oxadiazin-5-one derivatives having anticonvulsive activity, process for their preparation and pharmaceutical compositions containing them.

1472/Cal/81. I. Lucic. Multi-wheel vehicle.

1473/Cal/81. Seal Societe DE Conditionnements En Aluminium. A method of controlling and regulating operational parameters of a machine for continuously casting bands between cylinders, allowing adhesion to be avoided. [Addition to No. 739/Cal/81].

30th December, 1981

1474/Cal/81. Albany International Corp. Hollow fibre device.

1475/Cal/81. Nadella. Pulley of use in particular in the textile industry.

1476/Cal/81. The Pittsburg & Midway Coal Mining Co. Process for filtration of solvent refined coal slurries.

1477/Cal/81. The Pittsburg & Midway Coal Mining Co. Process for filtration of solvent refined coal slurries.

1478/Cal/81. Siemens Aktiengesellschaft. Duplex telecommunications system using a light-conducting fibre transmission path.

APPLICATIONS FOR PATENT FILED AT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-5]

1st December, 1981

756/Del/81. Dr. Gursaran Parshad Talwar, "A method for blocking heat in domestic pet and for controlling libido aggressiveness in Male animals and in counter acting physiological and pathological phenomena dependent on LHRH.

757/Del/81. Dr. Gursaran Parshad Talwar, "A method for obtaining potent antibodies of high titre, specificity and consistent characteristics against leutinizing hormone release hormone (LHRH)

758/Del/81. Carrier Corporation, "Electric Terminal".

759/Del/81. Carrier Corporation, "Heat Exchanger Ribbon, slitting device and method".

2nd December, 1981

760/Del/81. Vipul Agrawal, "An improved rotary positive displacement single screw pump".

761/Del/81. Pall Corporation, "Cap Connector".

762/Del/81. Hugh G. Evans. "Internal Combustion engine".

763/Del/81. Voest-Alpine Aktiengesellschaft, "Improvements in or relating to a discharge arrangement for removing green pellets out of a pelletizing arrangement".

3rd December 1981

764/Del/81. Jean Guigan, "An autonomous simultaneous analysis apparatus and a method of using it".

765/Del/81. Card-O-Matic Pty. Limited, "Simplified connections to control speed relating to electrical rotating machinery". (December 11, 1980).

4th December, 1981

766/Del/81. Imperial Chemical Industries Plt. "Cementitious composition and product". (December 22, 1980 & July 27, 1981).

5th December, 1981

767/Del 81. Bharat Heavy Electricals Limited, "A bagasse drier".

7th December, 1981

768/Del/81. Bharat Heavy Electricals Limited, "A non-destructive testing appliance for identifying metals and alloys".

769/Del/81. Sherritt Gordon Mines Limited, "Removal of manganese and chlorine ions from aqueous acidic zinc sulphate solutions". (June 2, 1981).

8th December, 1981

770/Del/81. Rex rotary international Corporation A/S. "Sheet separating mechanism with rotating friction member holder". (January 1, 1981).

9th December, 1981

771/Del/81. Dunlop olympic Limited, "Secondary batteries". (December 9, 1980).

772/Del/81. Pfizer corporation, "A process for preparing quinazoline Derivatives". (May 18, 1978).

10th December, 1981

773/Del/81. Scooters India Limited, "A magneto".

774/Del/81. D. N. Singhania, "An annunciator".

11th December, 1981

775/Del/81. Sulzer brothers limited, "Process and apparatus for anaerobic treatment of organically polluted liquids".

776/Del/81. Pfizer corporation, "Therapeutic agents". (December 15, 1980).

777/Del/81. Raj Narayan & S. Chattopadhyay, "Electro-deposited chromium-alumina composite coatings"

778/Del/81. Raj Narayan, Mr. G. Devraj. "Chloride Baths for Lead-Tin Alloy Deposition".

APPLICATIONS FOR PATENTS FILED AT THE PATENTS OFFICE BRANCH TODI ESTATES, III FLOOR, LOWER PAREL (WEST), BOMBAY-400 013

2nd December, 1981

329/Bom/1981. Sudhakar Achyut Joglekar. Multipurpose electrical gayser.

4th December 1981

330/Bom/1981. Chunilal Premji Bheda and others. Heating appliance to warm milk in feeding bottles.

5th December 1981

331/Bom/1981. Thermax Private Limited. A process for recovery of potassium salts from waste liquids.

7th December 1981

332/Bom/1981. Prof. B. K. Dhonde. Floating siphon.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

21st December, 1981

232/Mas/81. A. C. Arokiaswamy. D. S. Washing Soap and D. S. Detergent Washing Cake.

22nd December, 1981

233/Mas/81. Lucas Industries Ltd. Friction Pad Assembly For Use In A Disc Brake, (January 9, 1981).

24th December, 1981

234/Mas/81. S. M. Anandvel. Method of using Ferrite magnets for RM 19 Alternator or the Alternator used in Enfield Bullet 350 and Enfield mini bullet 200 CC.

26th December, 1981

255/Mas/81. D. Jayapragasam. 18 Segment Liquid Crystal Display.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 158E₄. 149573.

Int. Cl.-B61f 5/40.

RAILROAD CAR TRUCK.

Applicant: STANDARD CAR TRUCK COMPANY, OF 332 SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS, 60604, UNITED STATES OF AMERICA.

Inventor: ROBERT LEE BULLOCK.

Application No. 1740/Cal/77 filed December 16, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

In a railroad car truck having a pair of wheelsets (10) and means (50) for providing relative restraint between wheelsets, a pair of side frames (38), means for supporting said side frames on said wheelsets characterized in that said means including resilient means (30, 32) being supported on said wheelsets and supporting said side frames, said resilient means (30, 32) providing greater shear resistance in a lateral direction than in a longitudinal direction as herein described.

Comp. Specn. 12 Pages.

Drg. 2 Sheets.

CLASS 32F₂b & 35E₁. 149574.

Int. Cl.-C07d 57/00.

AN IMPROVED PROCESS FOR PRODUCING D, 1-5-METHYLTETRAHYDROFOLIC ACID AND ITS SALTS.

Applicant: BIORESEARCH S.A.S. DEL DR. LIVIO CAMOZZI & C., OF VIA MARCONA, 37, MILAN, ITALY.

Inventor: FEDERICO GENNARI.

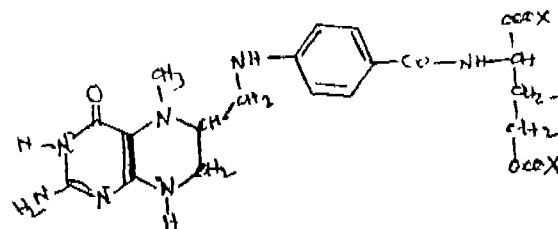
Application No. 174/Cal/78 filed February 15, 1978.

Convention date February 22, 1977/(07290/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An improved process for producing d, 1-5-methyltetrahydrofolic acid and its salts of formula shown in the accompanying drawings.



where X is is hydrogen, an alkaline metal or the equivalent of an alkaline earth metal, wherein a. folic acid is reduced to tetrahydrofolic acid with NaBH_4 in an aqueous alkaline solution and under an inert gas atmosphere, using a NaBH_4 : folic acid ratio of 0.5:1 to 3:1, a reaction temperature of 60 to 80°C and a reaction time of 30 minutes to 2 hours; b. the tetrahydrofolic acid is methylated to 5-methyltetrahydrofolic acid with aqueous solutions of formaldehyde and sodium borohydride in an inert gas atmosphere, using a total formaldehyde: tetrahydrofolic acid ratio of 0.8:1 to 2.5:1, a NaBH_4 : tetrahydrofolic acid ratio of 0.25:1 to 1.5:1 a temperature of 25 to 30°C and a pH of 6 to 8, the formaldehyde being added in successive fractions, one of which, of formaldehyde: tetrahydrofolic acid ratio 0.15:1, is added when the reaction is terminated; c. the sodium 5-methyltetrahydrofolate is separated from the aqueous solution containing it, said stages being all carried out in succession in a single reactor without separation of intermediate products.

Comp. Specn. 20 Pages.

Drg. 1 Sheet.

CLASS 69-I & 70A.

149575.

Int. Cl.-H01g 9/00.

VACUUM SWITCH SYSTEM FOR ELECTROLYTIC CELLS.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors: ROBERT MACQUIRE HRUDA AND PAUL ORLANDO WAYLAND.

Application No. 216/Cal/78 filed February 28, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A vacuum switch system for electrolytic cells for interrupting high DC current, low DC voltage circuits at a DC operating line voltage for the circuit which exceeds the cathode drop potential for the particular cathode contact material used which comprises plural parallel electric circuit paths, with a first path including a single vacuum switch, with at least one other such path including at least two serially connected vacuum switches; and operating mechanism for opening and closing the vacuum switches including means responsive to the opening of the vacuum switch in the first path for simultaneously opening the two serially connected vacuum switches for a predetermined time after the vacuum switch in the first path is opened.

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 50E.

149576.

Int. Cl.-F25b 15/00.

ABSORPTION REFRIGERATION SYSTEM.

Applicant: LINDE AKTIENGESellschaft, ABRAHAM-LINCOLN-STR.21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY.

Inventor: WERNER WILLE.

Application No. 458/Cal/78 filed April 26, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Absorption refrigeration system incorporating a high-pressure section, comprising a generator and a condenser, and a low-pressure section involving an evaporator and an absorber characterized by both sections being functionally separated from each other, when required, by isolating valves (14, 15, 16, 17) and the high-pressure section featuring a tank (4) down-stream of the condenser (3) for the refrigerant and the low-pressure section having a tank (7) for the solvent up-stream of the absorber (8) and a tank (9) for the refrigerant solution downstream of the absorber.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 32F₂b & 55E₄.

149577.

Int. Cl.-C07d 51/42, A61k 27/00.

A PROCESS FOR THE MANUFACTURE OF BENZYL-PYRIMIDINE AND ITS PHARMACOLOGICALLY ACCEPTABLE ACID ADDITION SALT.

Applicant: BASF AKTIENGESellschaft, AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

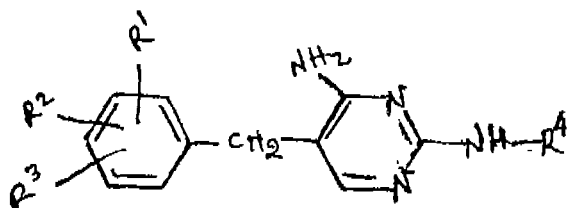
Inventors: KLAUS GUTSCHE, PETER SCHARWAECHTER, WILHELM KOHLMANN, NORMA KROEMER, HELMUT KROEMER AND MARIA MARGARETA KROEMER.

Application No. 747/Cal/78 filed July 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

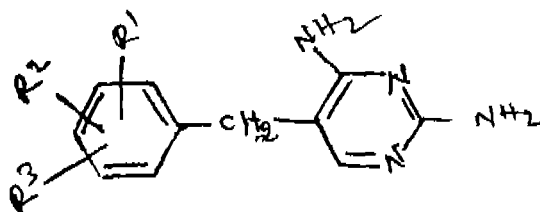
3 Claims.

A process for the manufacture of benzylpyrimidine of the general formula I.



where R¹, R² and R³, which may be identical or different, respectively at positions 3-, 4-, and 5- of the benzene ring, are hydrogen, methyl, methoxy or chlorine, and R⁴ is methyl which is substituted by alkoxy of 1 to 6 carbon atoms, whereof the alkyl may additionally be substituted by a chloride atom or an alkoxy group of 1 to 2 carbon atoms which in turn may be substituted by alkoxy of 1 to 4 carbon atoms, or by allyloxy, cyclohexoxy or benzyloxy, or R⁴ is allyl or alkyl of 1 to 3 carbon atoms which is substituted by phenyl, chlorophenyl, hydroxyl, alkoxy of 1 or 2 carbon atoms, dialkylamino (where alkyl is of 1 or 2 carbon atoms) or pyrrolidone or morpholino, or R⁴ is 3-alkylisoxazolyl-5-methyl, where alkyl is of 1 to 4 carbon atoms and its pharmacologi-

cally acceptable acid addition salts wherein a compound of the general formula II.



where R¹, R² and R³ have the same meanings as in Formula I, is reacted with a compound of the general formula III.

Hal-R⁴

where R⁴ has the same meaning as in formula I, and Hal is halogen in the presence of an aprotic diluent such as herein described at from 0 to 200°C and thereafter the resulting compound of Formula I is optionally converted to a pharmacologically acceptable acid addition salt thereof in a known manner such as herein described.

Comp. Specn. 17 Pages.

Drg. 1 Sheet.

CLASS 136M.

149578.

Int. Cl.-B29h 11/00

TIRE BUILDING MACHINE.

Applicant: NRM CORPORATION, OF 3200 GILCHRIST ROAD, P.O. BOX 6338, AKRON, OHIO 44312, UNITED STATES OF AMERICA.

Inventor: GEORGE EUGENE ENDERS.

Application No. 750/Cal/78 filed July 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

33 Claims.

A second stage tyre building machine comprising a housing, a main support shaft journaled in and projecting from said housing in cantilever fashion, a pair of tyre bead engaging flanges mounted on said shaft for axial movement toward and away from each other and for rotation with said shaft, each flange being supported on said shaft by an elongated inner sliding sleeve or outer sliding sleeve, the inner sleeve slidably mounted on said shaft, and the outer sleeve telescoped over said inner sleeve and being slidably mounted on said inner sleeve at one end and said shaft at the other end.

Comp. Specn. 19 Pages.

Drg. 2 Sheet.

CLASS: 154A.

149579.

Int. Cl.-B41 n.1/08.

"AN IMPROVED ELECTROLYTIC PROCESS FOR THE PREPARATION OF GRAINED ALUMINIUM PLATES FOR LITHOGRAPHIC PRINTING."

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI, INDIA.

Inventors: BALKUNJE ANANTHA SHENOI & RAMASUBBU VENKATACHALAM.

Application No. 528/Del/78 filed July 19, 1978.

Complete specification left on September 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Municipal Market, Saraswati Marg, Karol Bagh, New Delhi-110005.

6 Claims

An improved electrolytic process for the production of grained aluminium plates for lithographic printing comprising subjecting the cleaned aluminium plates to electrolytic graining followed by anodising the same characterised in that the electrolysis is carried out in an acidic electrolyte in the

presence of an aliphatic organic addition compound such as herein described at room temperature using alternating current.

Provisional Specification 4 Pages.

Complete Specification 7 Pages.

CLASS 128G & 201D.

149580.

Int. Cl.-B01d 39/18

A62b 23/00.

"IMPROVED PROCESS FOR THE MANUFACTURE OF MEMBRANE FILTERS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI, INDIA.

Inventors : MADANKUMAR VITTHALRAO NANOTI & PRAKASHKUMAR MADANLAL PATNI.

Application No. 535/Del/78 filed July 21, 1978.

Complete specification left on September 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Municipal Market, Saraswati Marg, Karol Bagh, New Delhi-110005.

5 Claims.

An improved process for the manufacture of membrane filters consisting of the preparation of cellulose nitrate, dissolving same in a solvent system to obtain a jelly like mass on a plane surface to form a membrane filter sheet, characterised in that short nap high bleach cotton is used for the preparation of cellulose nitrate and further characterised in that the solvent system used consists of methyl acetate, n-butanol, glycerine and demineralized water.

Complete Specification 12 pages & Drawings 1 Sheet.

Provisional specification 9 pages & Drawing 1 Sheet.

CLASS 36A.

149581.

Int. Cl.-F04c 15/00.

AXIAL FAN.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : GERT HECHT.

Application No. 1217/Cal/78 filed November 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

An axial fan comprising an electric motor provided with a shaft, an impeller connected to the shaft, a fan housing around the impeller and a housing for the electric motor coaxial with the impeller and fan housing and formed externally with a plurality of axially extending profiled rails, the housing for the electric motor being mounted in the fan housing by means of a plurality of fixing arms, radially directed with respect to said motor housing, and connected at outer ends thereof to the fan housing and releasably connected by fixing means at inner ends thereof to said profiled rails at any desired position therealong.

Comp. Specn. 11 Pages.

Drg. 2 Sheets.

CLASS 90-I.

149582.

Int. Cl.-D01d 5/00.

A GLASS FIBRE DRAWING ASSEMBLY HAVING AN IMPROVED NOZZLE FOR USE IN DIRECTING BULK GAS AGAINST A BUSHING USED FOR THE DRAWING OF GLASS FIBRE.

Applicant : NITTO BOSEKI CO., LTD., OF 1. AZA HIGASHI, GONOME, FUKUSHIMA-SHI, JAPAN.

Inventors : CHARLES H. COGGIN, JR. AND JOHN. L. JONES, JR.

Application No. 1357/Cal/78 filed December 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims.

A glass fibre drawing assembly including an improved nozzle for use in directing bulk gas against a bushing used for the drawing of glass fiber, said nozzle comprising: a body having a chamber therein; inlet means to provide for the introduction of gas into the chamber; a plurality of conduits communicating with the chamber to provide for the discharge of gas therefrom; and, slide valves disposed within at least some of said conduits, said valves being selectively adjustable to vary the flow through the respective conduits.

Comp. Specn. 20 Pages.

Drg. 4 Sheets.

CLASS 140B₁+140B₂+202C.

149583.

Int. Cl.-C10g 21/00.

A METHOD OF EXTRACTING n-PARAFFINS (WAX) FROM MINERAL OIL CONTAINING n-PARAFFINS.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165-166 BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Inventors : SHRINATH SHESHGIRI KALBAG, (2) VINODE GNANAKAN NEHEMIAH (3) JITENDRA BHATIA.

Application No. 103/Bom/78 filed on April 13, 1978.

Comp. after prov. left on July 10, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay-Branch

4 Claims.

A method of extracting n-paraffins (wax) from mineral oil containing n-paraffins to provide a product enriched in n-paraffins wherein said mineral oil is subjected to liquid/liquid extraction using a combination of solvents characterized in that the combination of solvents is made up of at least one solvent selected from each of the following groups:

(A) aromatic solvent like phenol, nitro benzene aniline, toluene, benzene and

(B) polar aliphatic solvent containing up to 6 carbon atoms; provided that an alcohol solvent when used does not contain more than 5 carbon atoms,

the extraction being done by employing the solvents of groups A and B in the ratio of 10:1 to 1:5 by volume either sequentially in any order or together in combination at a temperature above the melting point of the paraffins but below the temperature of complete miscibility of the paraffins.

Provisional Specification 5 Pages

Drgs. Nil.

Complete Specification 10 Pages.

Drgs. Nil.

CLASS 33A.

149584.

Int. Cl.-B22d 41/00.

BOX DISCHARGER FOR USE WITH LADLES, BASKETS AND THE LIKE FOR METAL CASTING.

Applicant : SANAC SOCIETA PER AZIONI REFRATTARI ARGILLE F. CAOLINI, OF VIA MARTIN PIAGGIO 13, GENOA, ITALY.

Inventors : GIOVANNI ALIPRANDI, ROBERTO RICCI AND GIOVANNI TIMOSI.

Application No. 436/Cal/78 filed April 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims.

A box discharger particularly for ladles, baskets or the like for metal casting, comprising a first metal upper plate releasably fastened or adapted to be fastened onto the bottom of the ladle or the like; a second metal lower plate connected

to said upper plate so as to be tiltable from a work position by lever/shaft arrangement of its two terminal sides, where said tilting plate is parallel to said stationary plate, to a maintenance position where said tilting plate forms with said stationary plate an angle sufficient to allow access inside said discharger; a third metal plate slidable by means of a lever or by means of a jack between the first two plates; wherein said three plates are centrally bored for the passage of the flow of the liquid metal when said discharger is in the open position; wherein there are fastened against the lower face of said upper stationary plate and the upper face of said sliding plate flattened refractory bricks sealingly sliding by means of a lever or by means of a jack against each other during the discharger movement, said bricks being providing with central holes for the passage of the liquid metal when said holes are in register; there being rotatably mounted on the lower face of said tilting lower plate an annular element provided on its outer edge with at least two wedge-shaped wings projecting outwards and adapted to engage grooves provided on two uprights projecting from the lower face of said stationary upper plate, laterally to the outer profile of said tilting plate; suitable driving means being provided for rotating said section of annular crown.

Comp. Specn. 14 Pages.

Drg. 8 Sheets.

CLASS 39K & 40F.

149585.

Int. Cl.-C01b 25/22.

PROCESS AND APPARATUS FOR MANUFACTURING PHOSPHORIC ACID.

Applicant : SOCIETE DE PRAYON, OF PRAYON, FORÉT, BELGIUM.

Inventor : ARMAND LAURENT DAVISTER.

Application No. 692/Cal/78 filed June 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

26 Claims.

In a process for the manufacture of phosphoric acid by the wet process which comprises introducing phosphate rock, sulfuric acid and phosphoric acid as feed components into one or more reaction zones of an attack system, reacting said rock, sulfuric acid and phosphoric acid in said attack system to produce a reaction slurry of an aqueous solution of phosphoric acid and crystallized calcium sulfate as end-products of the process, said attack system having a plurality of reaction zones and comprising a serial and cyclic flow of said slurry through at least some of said reaction zones, agitating said slurry in each of said plurality of reaction zones, at least one of said plurality of reaction zones being in slurry flow communication with at least one cooling zone having a pressure lower than the pressure in said at least one reaction zone, passing a flow of reaction slurry from said at least one reaction zone communicating with said lower pressure cooling zone, evaporating water from said slurry in said cooling zone to cool the slurry therein, returning the resulting cooled flow of slurry from said lower pressure cooling zone to said at least one reaction zone, withdrawing a portion of said reaction slurry from said attack system at a basic slurry flow corresponding to the total feedrate of said feed components to said attack system, separating phosphoric acid and calcium sulfate crystals from said withdrawn portion of slurry, washing said calcium sulfate crystals with water to form a diluted solution of phosphoric acid, collecting a first portion of the separated phosphoric acid and the washed calcium sulfate passing to said attack system, as part of said feed components, the remaining portion of said separated phosphoric acid, together with the said diluted phosphoric acid solution, the improvement comprising maintaining the general circulation flow rate of the slurry between 300 to 4000% by weight of said basic slurry flow and the vacuum cooling flow rate is between 2000 to 4000% by weight of said basic slurry flow, the flow rate of the local agitation in said reaction zones being between 500 and 2200% by weight of said basic slurry flow, and the sum of said local agitation flow rates and the cyclic flow rates in each of the reaction zones wherein feed components are introduced which immediately follow them in the direction of the slurry flow through the reactors being not less than 2500% of said basic slurry flow.

Comp. Specn. 46 Pages.

Drg. 4 Sheets.

CLASS 129Q.

149586.

Int. Cl.-B23k 9/00.

AN ELECTRICAL WELDING CURRENT SUPPLY SOURCE FOR METAL INERT GAS ARC WELDING.

Applicant : SCHWEISSINDUSTRIE OERLIKON BUHLER AG BIRCHSTRASSE 230, SURICH/SWITZERLAND.

Inventors : WALTER KUNZ AND MARTIN BRACK.

Application No. 1011/Cal/78 filed September 14, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

12 Claims.

An electrical welding current supply source for metal inert gas arc welding, the source having a basic circuit for supplying a basic DC current component of welding current and a pulse circuit for supplying a pulsating current component of welding current, a first regulating device having circuit means for detecting load variations in said arc, said regular regulating device being connected to control a control element arranged in said basic circuit to control the size of said basic circuit component in such a way as to offset instabilities of said basic component produced by variations in power supply, rate of electrode feed, rate of melting the electrode and length of arc column, and including a second, pulse current, regulating device to influence a control element in said pulse circuit to compensate for variations in power supply and transients in firing said arc, the second regulating device including circuit means for detecting no-load variations in power supply.

Comp. Specn. 15 Pages.

Drg. 3 Sheets.

CLASS 39K.

149587.

Int. Cl.-C01b 17/74.

PROCESS FOR THE MANUFACTURE OF SULPHURIC ACID BY A DOUBLE CONVERSION AND DOUBLE ABSORPTION PROCESS.

Applicant : EXECUTIVE DIRECTOR, FERTILIZER (PLANNING & DEVELOPMENT) INDIA LTD., C.I.F.T., BUILDINGS, P.O. SINDIR, DIST-DHANBAD, BIHAR STATE, INDIA.

Inventors : KRISHNASWAMI MADHAVAN AND VINAY KRISHNA AGRAWAL.

Application No. 209/Cal/79 filed March 5, 1979.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims.

A process for the manufacture of sulphuric acid by the double conversion and double absorption process which comprises oxidizing sulphur dioxide to sulphur trioxide in a multi-bed catalytic converter, recovering heat from the product streams i.e. SO₃ of the different beds of the converter, withdrawing from the exit of one bed a product gas stream from the converter as a first converted product, and further withdrawing a second gas stream from a subsequent bed as second converted product, subjecting said first converted product stream to a step of first absorption of the converted sulphur trioxide in an absorption column using strong sulphuric acid, withdrawing and subjecting at least a portion of the product of the first absorption step to a step of stripping using air to recover dissolved sulphur dioxide re-using such sulphur dioxide bearing gases in the catalytic converter subjecting the said second gas stream to a step of absorption, called second absorption or final absorption in strong sulphuric acid, heat exchangers being provided for the products of at least two catalyst beds and being co-related in operation.

Comp. Specn. 16 Pages.

Drg. 2 Sheets.

OPPOSITION PROCEEDINGS

The opposition entered by The Associated Cement Companies Ltd., to the grant of a patent on application No. 142401 made by Prerovske Strojirny, Narodni Podnik as notified in Part-III, Section 2 of the Gazette of India, dated the 14th January, 1978 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

PATENTS SEALED

142327 144767 146678 147101 147229 147681 148061 148412
148445 148554 148608 148613 148694 148697 148700 148705
148707 148708 148713 148714 148718 148719 148725 148727
148728 148733 148735 148736 148737 148738 148744 148751

PRIORITY DATE DISALLOWED UNDER RULE 6 OF THE PATENTS RULES, 1972

Priority date claimed in the Patent Applications Nos. 1149/Cal/81 & 1150/Cal/81 filed by The Metal Box Limited have been disallowed by the Joint Controller of Patents & Designs *vide* his order dated the 30th December, 1981.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
142789 (05-03-75)	A process for the preparation of rigid polyurethane foams from cashew nut shell liquid.
143279 (07-01-76)	Process for the production of a stable insulin preparation with protractable action and low antigenity.
143355 (19-01-77)	Process for the preparation of azo dye-stuffs.
143359 (08-07-77)	Improved process and plant for beneficiation of coking or non-coking coal.
143379 (11-10-76)	Process for the preparation of mixture of guanidated aliphatic polyamines or salts thereof.
143521 (03-11-76)	Process for the production of phosphoric acid.
143534 (20-03-75)	Method for producing acrylonitrile.

RENEWAL FEES PAID

108608 108699 108709 108787 108904 108921 109038 109628
109952 113689 113928 113960 114024 114031 114164 114314
114458 117861 118846 119214 119376 119420 119455 119482
119602 119635 120321 124114 124694 124725 124729 124771
124780 124781 124790 124806 124807 124825 124843 143848
125026 125028 125270 125298 128816 129042 129524 129856
129965 133832 133863 133917 134190 134193 134220 134279
134284 134288 134323 134409 134622 135850 136080 136302
136509 136577 136684 136710 136754 136908 137263 137488
137489 137546 137621 137805 137844 137855 137902 138025
138060 138167 138315 138596 138626 138717 138820 139240
139619 139641 139658 140240 140244 140311 140595 140606
140664 140814 140816 140939 140999 141104 141237 141456
142007 142333 142634 142694 143017 143713 143768 143769
143828 143872 144138 144244 144352 144690 144754 144765
144768 144941 145027 145028 145136 145168 145264 145274
145305 145313 15446 145501 145578 145583 145716 145982
146938 147202 147542 148224

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 113466 dated the 5th December, 1967 made by Gorresen's Pty Limited on the 14th July, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 15th August, 1981 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 113465 dated the 5th December, 1967 made by Gorresen's Pty Limited on the 14th July, 1980 and notified in the Gazette of India, Part-III, Section 2 dated the 22nd August, 1981 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 150508. Punjab Stainless Steel Industries of B-61, Wazirpur Industrial Area, Delhi-52, an Indian Partnership Concern. "Container". March 7, 1981.

Class 1. No. 150824. Crompton Greaves Limited of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Lighting device". May 29, 1981.

Class 1. No. 151046. Greaves Lombardini Ltd. of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Diesel engine". July 29, 1981.

Class 1. No. 151047. Greaves Lombardini Ltd. of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Diesel engine". July 29, 1981.

Class 1. No. 151048. Greaves Lombardini Ltd. of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Diesel engine". July 29, 1981.

Class 1. No. 151049. Greaves Lombardini Ltd. of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Diesel engine". July 29, 1981.

Class 1. No. 151050. Greaves Lombardini Ltd. of 1, Dr. V. B. Gandhi Marg, Bombay-400023, Maharashtra, India. "Diesel engine". July 29, 1981.

Class 3. No. 150930. Dilip Harkishin Chhabria of 4/C, Giriraj, Altamont Road, Bombay-400026, Maharashtra, India, Indian Nationality. "Lower Tail Lamp Cover Lens for Automobiles". June 22, 1981.

Class 3. No. 150931. Dilip Harkishin Chhabria of 4/C, Giriraj, Altamont Road, Bombay-400026, Maharashtra, India, Indian Nationality. "Upper Tail Lamp Cover Lens for Automobiles". June 22, 1981.

Class 3. No. 150536. India Enterprises of 27/148, Malna Gate, Pathwari, Agra-4 (UP), an Indian Proprietary Concern. "Torch". March 16, 1981.

Class 3. No. 150350. Murphy India Limited, an Indian Company of 'Nirmal', 241-242, Backbay Reclamation, Nariman Point, Bombay 400021, Maharashtra, India. "Radio-cum-cassette recorder". January 31, 1981.

Class 8. No. 150605. H.A.G. Carpets Pvt. Ltd. of 143, Keshab Chandra Sen Street, Calcutta-700009, West Bengal, India, an Indian Company. March 28, 1981.

Class 8. No. 150614. H.A.G. Carpets Pvt. Ltd. of 143, Keshab Chandra Sen Street, Calcutta-700009, West Bengal, India, an Indian Company. "Carpet". March 28, 1981.

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS

Nos. 142318, 142373, 142740 142743, 143289, 143313, 143480, 143526, 143545, 143768, 143769, 143770, 143771, 143917, 143993, 144081, 144282, 144283, 144287, 144289, 144622, 144624, 144715, 144726, 144767, 144777, 144796, 144797, 144864, 144865, 144866, 144867, 144929, 145010, 145183, 145496, 145497, 145498, 145499, 145500, 145501, 145707, 146317, 146318, 146319, 146320, 146321, 146322, 146930, 147086, 147887, 147888, 147889, 148066, 148493, 149600, 149601, 149610, 149835 & 150073—
Class 1.

Nos. 138667, 142741, 142744, 142746, 143087, 143088.
143089, 143290, 143335, 143527, 143619, 143772,
143773, 143774, 143775, 143864, 143887, 143888,
144033, 144034, 144066, 144180, 144281, 144324,
144343, 144380, 144381, 144382, 144383, 144384,
144385, 144386, 144387, 144388, 144389, 144390,
144447, 144514, 144515, 144533, 144534, 144552,
144608, 144625, 144626, 144633, 144635, 144636,
144739, 144813, 144876, 144877, 144896, 144897,
144898, 144899, 144900, 144901, 144913, 144914,
144915, 144996, 144997, 144998, 145261, 145490,
145569. 148335 & 149668—Class 3.

Nos. 138260, 142742, 142745, 142747, 142817, 143680,
143958, 144035, 144596, 145489, 149070, 149071,
149101, 149102, 149616—Class 4.

Nos. 138541, 144758, 144759, 144800, 145477, 145934,
149569—Class 5.

Nos. 143620, 143865, 144607, 144875, 144993, 144994,
144995—Class 10.

No. 144578—Class 13.

EXTENSION OF COPYRIGHT FOR THE THIRD PERIOD OF FIVE YEARS

Nos. 139228, 139262, 139735, 139930, 142318, 142373,
143480, 143545, 145010, 147889, 149600, 149601,
149610, 149835—Class 1.

Nos. 138214, 138215, 138216, 138217, 138218, 138225,
138320, 139106, 139153, 139263, 140237, 140238,
140239, 143087, 143088, 143089, 143154, 143335,
143887, 143888, 144066, 144343, 144447, 144514,
144515, 144552, 144715, 144726, 144777, 145569,
147887, 147888, 148066 & 149668—Class 3.

Nos. 138032, 138294, 138788, 142817, 143958, 144596,
149070, 149071 & 149102—Class 4.

No. 149569—Class 5.

Nos. 137727, 139051, 139052, 139053, 139054, 139150,
139151 & 139152—Class 10.

No. 138857—Class 12.

Name Index of applicants for patents for the month of
October, 1981 (Nos. 1098/Cal/81 to 1216/Cal/81, 283/Bom/
81 to 306/Bom/81, 181/Mas/81 to 200/Mas/81 and 633/
Del/81 to 693/Del/81).

Name	Appln. No
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A

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Cal/81.

Alsthom-Atlantique.—640/Del/81.

Altaf, G. H.—675/Del/81.

American Standard Inc.—1113/Cal/81.

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Ashland Oil, Inc.—659/Del/81.

Atlas Copco Aktiebolag.—1199/Cal/81.

Atlas Powder Company.—1147/Cal/81, 1148/Cal/81.

Avulunga Pty. Ltd.—1179/Cal/81.

B

BASF Aktiengesellschaft.—1202/Cal/81.

BICC Limited.—644/Del/81, 689/Del/81.

Babu, J.—181/Mas/81.

Batra, V. B.—671/Del/81.

Beloit Corporation.—1099/Cal/81.

Bhandari, R.—685/Del/81.

Bharat Heavy Electricals Limited.—670/Del/81, 676/Del/81,
677/Del/81.

Bhavana Chemicals Limited.—300/Bom/81, 301/Bom/81.

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British Petroleum Company Limited, The.—656/Del/81.

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Brugman Maschinenfabrik B.V.—1188/Cal/81.

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C

C. Conradt Nurnberg G.m.b.H. & Co. KG.—1166/Cal/81,
1167/Cal/81, 1168/Cal/81.

CPC International Inc.—1152/Cal/81, 1153/Cal/81, 1154/
Cal/81.

Carrier Corporation.—692/Del/81.

Chandia, A. K. (Dr.).—1151/Cal/81.

Chaugule, P. J.—286/Bom/81.

Chemicals and Fibres of India Ltd.—1204/Cal/81.

Chevron Research Company.—1140/Cal/81.

Chourishi, N. K. (Dr.).—183/Mas/81.

Ciba-Geigy of India Ltd.—287/Bom/81.

Clesid S.A.—661/Del/81.

Coal Industry (Patents) Limited.—684/Del/81.

Collis, G. C.—288/Bom/81.

Combustion Engineering Inc.—1101/Cal/81.

Conoco Inc.—1141/Cal/81.

Council of Scientific & Industrial Research.—666/Del/81,
667/Del/81, 668/Del/81, 669/Del/81.

Craelius AB.—1143/Cal/81.

Creusot-Loire.—662/Del/81.

Cselt-Centro Studi E Laboratori Telecomunicazioni S.p.A.—
1107/Cal/81.

Cummins Engine Company, Inc.—1134/Cal/81.

D

Das, R. N.—1163/Cal/81.

Dasgupta, A. R.—1159/Cal/81.

Davy McKee Corporation.—1164/Cal/81.

Delta Plastics Limited.—1129/Cal/81.

Deutsche Texaco Aktiengesellschaft.—1201/Cal/81.

Diamond Shamrock Corporation.—1210/Cal/81.

Dover Engineering Works Limited, The.—634/Del/81.

Duracell International Inc.—654/Del/81, 655/Del/81.

E

Eastern Carbon.—1181/Cal/81.

Elkem A/s.—1186/Cal/81.

Elliott, F.—1109/Cal/81.

Elliott, G.—1109/Cal/81.

Elliott, S.—1190/Cal/81.

F

F. L. Smidth & Co. A/s.—1144/Cal/81, 1213/Cal/81.

Feraille, A.—1182/Cal/81.

Fernandez, A. R.—192/Mas/81.

Fiziko-Tekhnicheskyy Institut Akademii Nauk Belorusskoi
SSR.—1160/Cal/81.

Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H.—
1203/Cal/81.

(1)	(2)
G	
G. D. Societa' Per Azioni.—1161/Cal/81, 679/Del/81, 680/Del/81	
Geophysical Company of Norway A.S.—1209/Cal/81.	
Georg Fischer Aktiengesellschaft.—1169/Cal/81, 1180/Cal/81.	
Ghosh, S. K.—1216/Cal/81.	
Goculdas. M.—293/Bom/81	
Goodyear Inc & Rubber Company, The.—673/Del/81.	
Gopalakrishnan, K.—193/Mas/81.	
Gould Inc.—1102/Cal/81, 1162/Cal/81.	
Gowthaman, K.—194/Mas/81.	
Goyal, I.—660/Del/81	
Grover, P. D.—652/Del/81, 665/Del/81.	
Gupta, N. K.—639/Del/81.	
H	
Hamf, M. (Mohd.)—649/Del/81.	
Hemex, Inc.—1197/Cal/81	
Hicks, I. W. (fr.).—1098/Cal/81.	
Hitachi Ltd.—1170/Cal/81.	
Hoechst Aktiengesellschaft.—1108/Cal/81, 1128/Cal/81, 1211/Cal/81, 1212/Cal/81.	
Hoechst Pharmaceuticals Ltd.—703/Bom/81.	
I	
Imperial Chemical Industries PLC.—635/Del/81, 688/Del/81, 693/Del/81.	
Indian Explosives Limited.—1204/Cal/81.	
Indian Institute of Technology—641/Del/81.	
Institut Fizicheskoi Khimii Imeni L.V. Pisarzhevskogo Akademii Nauk Ukrainskoi SSR.—1100/Cal/81.	
Institut Francais Du Pétrole. 1110/Cal/81.	
International Telephone and Telegraph Corporation.—1175/Cal/81, 1176/Cal/81, 1177/Cal/81, 1178/Cal/81.	
Isover Saint-Gobain.—1130/Cal/81.	
Italtel Societa Italiana Telecomunicazioni S.p.A.—1172/Cal/81, 1173/Cal/81	
J	
Jain, A. K.—651/Del/81.	
James Mackie & Sons Ltd.—1158/Cal/81.	
Jay Engineering Works Ltd., The.—691/Del/81.	
Jeumont-Schneider —1208/Cal/81.	
K	
Kandasamy, M.—197/Mas/81	
Kapoor, S.—642/Del/81	
Klockner-Humboldt-Deutz Aktiengesellschaft.—682/Del/81.	
Krupp-Koppers GMBH —1103/Cal/81.	
Kulkarni, I. S.—290/Bom/81.	
Kulkarni, P. K.—285/Bom/81	
Kulkarni, S. K.—290/Bom/81.	
Kulkarni, V. P.—285/Bom/81	
Kumardhubi Fireclay and Silica Works Limited.—1215/Cal/81	
L	
Lenin Mezőgazdasági Termelőszövetkezet Tiszaloldván.—1124/Cal/81	
Lentjes, T.—1117/Cal/81.	

(1)	(2)
Lodge-Cottrell Limited.—1105/Cal/81.	
Lonza Ltd.—1195/Cal/81.	
Lucas Industries Limited.—1137/Cal/81, 1145/Cal/81, 190/Mas/81, 195/Mas/81, 196/Mas/81, 199/Mas/81.	
M	
M & T Chemicals, Inc.—1112/Cal/81.	
Madan, M.—188/Mas/81.	
Magyar Tudományos Akadémia Kozponti Hivatala.—1124/Cal/81.	
Mahavir Appliance.—292/Bom/81.	
Malhotra, J.—637/Del/81.	
Malhotra, S.—283/Bom/81, 304/Bom/81.	
Marley Company, The.—1183/Cal/81, 1184/Cal/81.	
Mars Limited.—1116/Cal/81.	
Martin Engineering Company.—1205/Cal/81.	
Medda, S. (Dr.).—1151/Cal/81.	
Menon, P. B.—200/Mas/81.	
Metal Box Limited.—1149/Cal/81, 1150/Cal/81.	
Metallgesellschaft, A.G.—1198/Cal/81.	
Mevada, M. M.—291/Bom/81.	
Mitsui Toatsu Chemicals, Inc.—1111/Cal/81.	
Mobil Tyco Solar Energy Corporation.—683/Del/81.	
Mohammedj, M. P.—185/Mas/81.	
Monica Chemicals.—187/Mas/81.	
Monsanto Company.—1135/Cal/81.	
N	
National Industrial Development Corporation Ltd., The.—678/Del/81.	
Neiman S.A.—1185/Cal/81.	
O	
O&K Orenstein & Koppel Aktiengesellschaft.—686/Del/81.	
Obcrai, A.—633/Del/81.	
Ortner Freight Car Company.—687/Del/81.	
Outokumpu OY.—1194/Cal/81.	
P	
Panjwani, A. P.—294/Bom/81.	
Panjwani, I. P.—294/Bom/81.	
Paramec Chemicals Limited.—1121/Cal/81.	
Parra, J. M.—1132/Cal/81, 1133/Cal/81.	
Patel, K. R.—302/Bom/81.	
Patel, N. D.—297/Bom/81.	
Patel, S. B.—299/Bom/81.	
Pendse, G. V.—306/Bom/81.	
Pendse, S. G.—306/Bom/81.	
Pennwalt Corporation.—1122/Cal/81.	
Permacel.—1207/Cal/81.	
Phenoweld Polymer Pvt. Ltd.—284/Bom/81.	
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Pont-A-Mousson S. A.—1106/Cal/81.	
Population Research Incorporated.—1157/Cal/81.	
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(1)	(2)	(1)	(2)
R			
Raman, R. K.—183/Mas/81.		Standard Hose Limited.—1174/Cal/81.	
Rao, C. I. S.—186/Mas/81.		Stauffer Chemical Company.—1214/Cal/81.	
Rao, C. S.—184/Mas/81.		Straw Box System Limited.—638/Del/81.	
Ray, P.—289/Bom/81.		T	
Raydex International Limited.—643/Del/81.		Thakkar, D. H.—302/Bom/81.	
Rietbergwerke GmbH & Co. KG.—1138/Cal/81.		U	
Rosemount Inc.—1104/Cal/81.		USS Engineers and Consultants, Inc.—658/Del/81, 674/Del/81.	
Roy, L.—1118/Cal/81.		Union Carbide Corporation.—1136/Cal/81, 1165/Cal/81.	
Russo, P.—1142/Cal/81.		United Technologies Corporation.—1127/Cal/81.	
Russo, R.—1142/Cal/81.		V	
S		Vanton Pumps (India) Pvt. Ltd.—189/Mas/81.	
SMS Schloemann-Siemag Aktiengesellschaft.—1126/Cal/81.		Varghese, B.—198/Mas/81.	
Schering Aktiengesellschaft.—653/Del/81.		Verma, S. P.—305/Bom/81.	
Schlumberger Limited.—1146/Cal/81.		Vishwakarma, S. T.—1114/Cal/81.	
Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—1115/Cal/81.		Vispute, U. V.—295/Bom/81.	
Sehra, J. K.—650/Del/81.		Vora, S. T.—291/Bom/81.	
Seshagiri, T.—182/Mas/81.		W	
Shell Internationale Research Maatschappij B.V.—1125/Cal/81, 1196/Cal/81, 681/Del/81.		W & A Bates Limited.—644/Del/81, 645/Del/81, 646/Del/81.	
Singareni Collieries Co. Ltd., The.—191/Mas/81.		Westinghouse Electric Corporation.—1131/Cal/81, 1171/Cal/81.	
Singh, A.—672/Del/81.		West-Point Foundry and Machine Company.—1123/Cal/81.	
Singh, P. P.—636/Del/81.		Z	
Sinha, B.—1200/Cal/81.		Zinser Textilmaschinen G.m.b.H.—296/Bom/81.	
Sinha, D. K.—1189/Cal/81, 1190/Cal/81, 1191/Cal/81, 1192/Cal/81, 1193/Cal/81.			
Societe des Produits Nestle S.A.—1206/Cal/81.			
Societe Generale Des Eaux Minerales De Vittel.—657/Del/81.			
Spectomatic Pvt. Ltd.—298/Bom/81.			
Sperly Corporation.—1155/Cal/81.			

S. VEDARAMAN

Controller-General of Patents,
Designs & Trade Marks